

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBSLVPA66WZ (0)

产品定义: PA66+ FR

产品特点: 无卤阻燃尼龙 66, 阻燃等级达 UL94-V0 级, 电气性能佳。

产品应用: 接线端子、插座等电子电气元件

ZGDBSLVPA66WZ(0) is a halogen-free and flame retardant PA66, its flame retardant rating reached to UL94-V0, apart from excellent electrical properties.

Product applications: electrical terminals, socket and other components.

典型成型条件

typical molding process

干燥 dry	鼓风烘箱(drum wind oven): 100-120°C, 4-6h ; 热风循环(cycling warm air): 100-120°C, 4-6h ; 真空烘箱(vacuum drying oven): 100-120°C, 3-4h
加工温度 processing temperature	入料段(feed section): 250-260°C; 熔融段(compressing section): 265-280°C; 射嘴段(metering section): 260-275°C
背压 back pressure	5-10Mpa
注射压力 injection pressure	70-130Mpa
保压压力 packing pressure	40-90Mpa
模具温度 mold temperature	70-100°C
后处理 post treatment	NA
其它 others	NA

以上数据仅供参考
All the information provided by EPONE only for reference

产品性能参数

product performance parameters

性能 (properties)	测试标准 (test standard)	单位 (unit)	数据 (test result)
物理性能 (physical properties)			
密度 density	ISO 1183	g/cm ³	1.18
熔点 melting temperature	ISO 11357	°C	260
吸湿性 absorption of moisture			
23°C冷水中 24 小时 24 H in 23°C water	ISO 62	%	---
成型收缩率 molding shrinkage			
纵向 normal	ISO 25557/1	%	0.95
横向 parallel	ISO 25557/1	%	0.85
机械性能 (mechanical properties)			
冲击 impact strength			
无缺口冲击强度 non-notched	ISO 179	kJ/M ²	50
缺口冲击强度 notched	ISO 180	kJ/M ²	4.5
拉伸 tensile			
断裂强度 tensile strength	ISO 527-2	MPa	75
断裂伸长率 elongation at break	ISO 527-2	%	15
弯曲 flexural			
断裂强度 flexural strength	ISO 178	MPa	110
弯曲弹性模量 flexural modulus	ISO 178	MPa	3500
硬度 hardness			
洛氏硬度 rockwell hardness	ISO 2039-2	R	120
电气性能 (electrical properties)			
体积电阻率 volume resistivity	IEC 60093	Ω.cm	10 ¹⁵
表面电阻率 surface resistivity	IEC 60093	Ω	10 ¹⁴
介电强度 dielectric strength	IEC 60243	kV/mm	34
燃烧性能 (flammability properties)			
阻燃 flame retardant	UL 94 (0.8mm)	—	V0

除特别说明外，以上数据均指在环境相对湿度 (RH) =0 及 23°C 条件下测得
以上数据为典型值，仅供参考，不作质量保证之承诺。

All the data above was measured at 23°C and RH=0 unless otherwise stated, all is typical data ,only for reference,
not the permit of quality assurance.

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